

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Number: 7,129,601

Issued: October 31, 2006

Name of Patentee: GSI Group Corporation

Title of Invention: APPARATUS FOR CONTROLLED MOVEMENT OF AN ELEMENT

Attention Certificate of Corrections Branch

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

**REQUEST FOR CERTIFICATE OF CORRECTION
OF PATENT FOR APPLICANT MISTAKE**

1. Attached is Form PTO/SB/44, which is suitable for printing.
2. The exact page and line number where the errors are shown correctly in the application file are:

Please replace the issued informal drawings (Sheets 1-24) with the attached formal drawings (Sheets 1-25).

3. The Commissioner is authorized to charge Deposit Order Account No. 19-0079 for any fee that is required in connection with this Certificate of Correction.

4. Please send the Certificate to:

Name: William E. Hilton

Address: Gauthier & Connors, LLP

225 Franklin Street, Suite 2300

Boston, Massachusetts 02110

Reg. No.:35,192

SIGNATURE OF ATTORNEY

A handwritten signature in black ink, appearing to read 'W. E. Hilton', is written over a horizontal line.

Tel. No.: (617) 426-9180
Extension 111

William E. Hilton
Gauthier & Connors, LLP
225 Franklin Street, Suite 2300
Boston, MA 02110

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

Page 1 of 26

PATENT NO. : 7,129,601
APPLICATION NO.: 10/075,940
ISSUE DATE : October 31, 2006
INVENTOR(S) : David C. Brown et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Please replace the issued informal drawings (Sheets 1-24) with the attached formal drawings (Sheets 1-25).

MAILING ADDRESS OF SENDER (Please do not use customer number below):

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This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

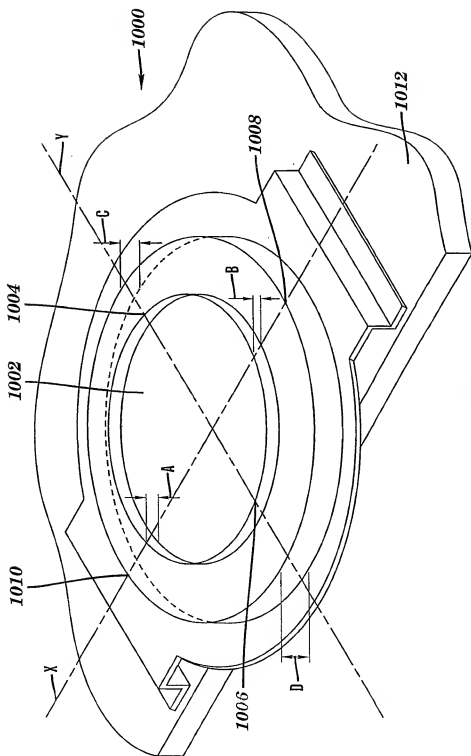


FIG. 1A
PRIOR ART

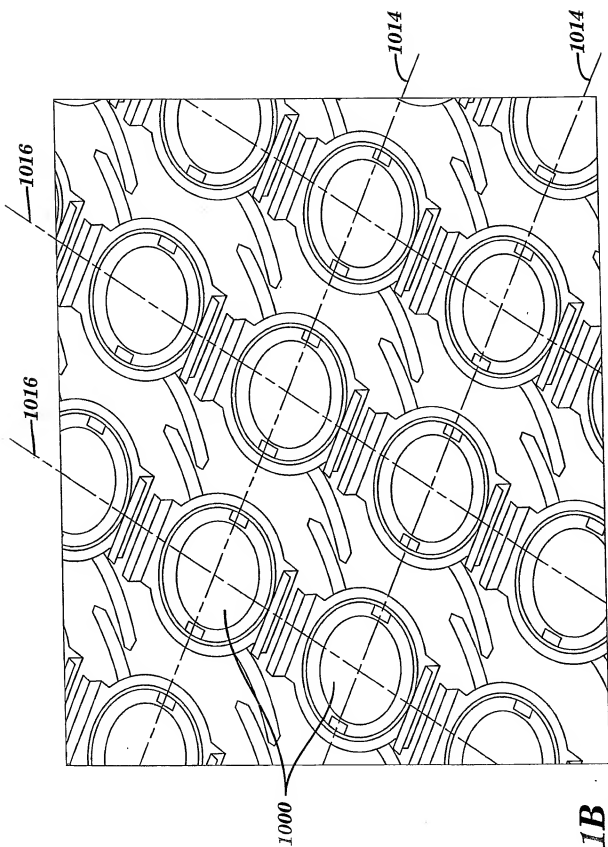


FIG. 1B
PRIOR ART

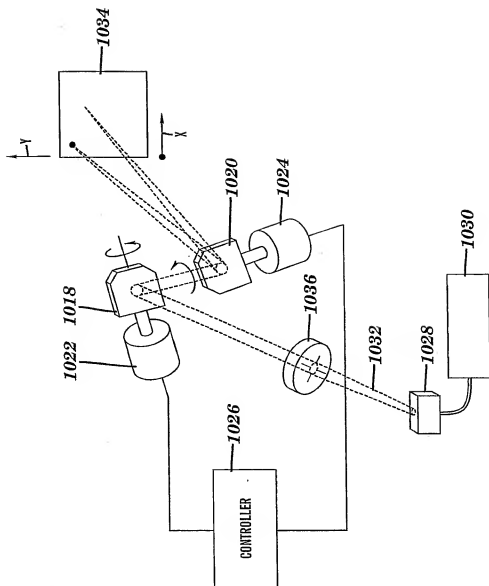


FIG. 2
PRIOR ART

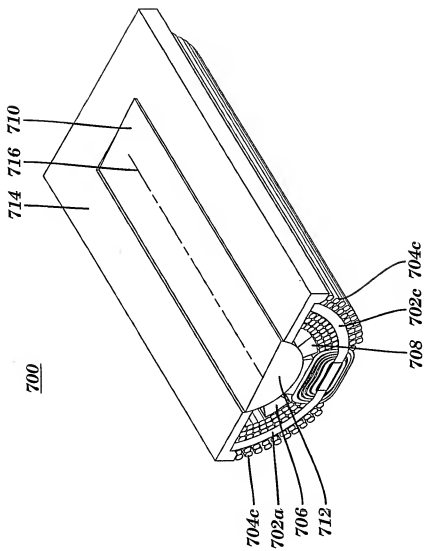
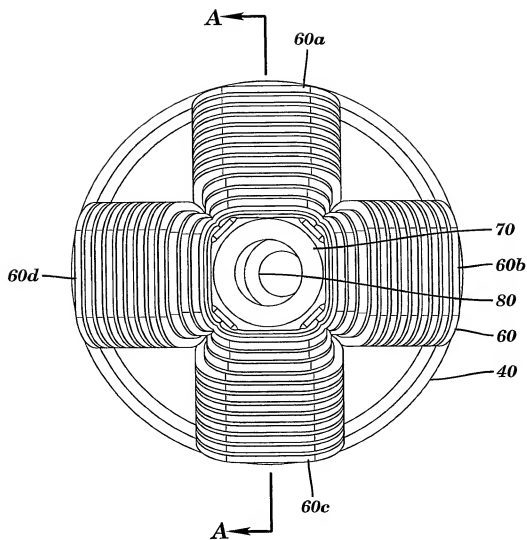
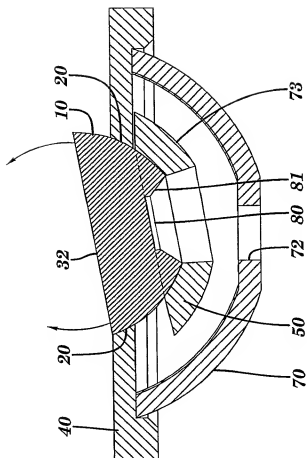
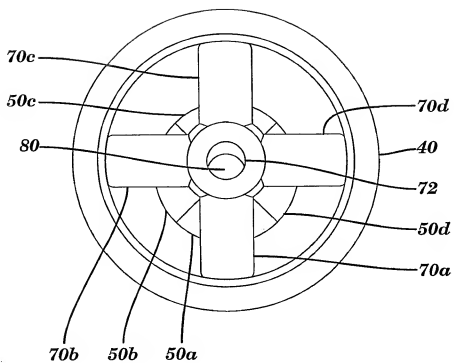


FIG. 3B

**FIG. 4**

**FIG. 5**

**FIG. 6**

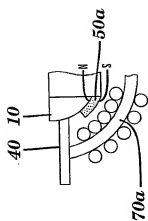


FIG. 7B

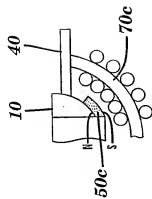


FIG. 7D

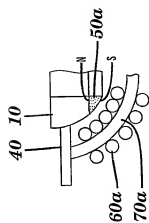


FIG. 7A

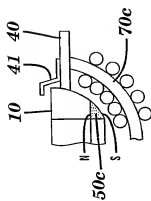
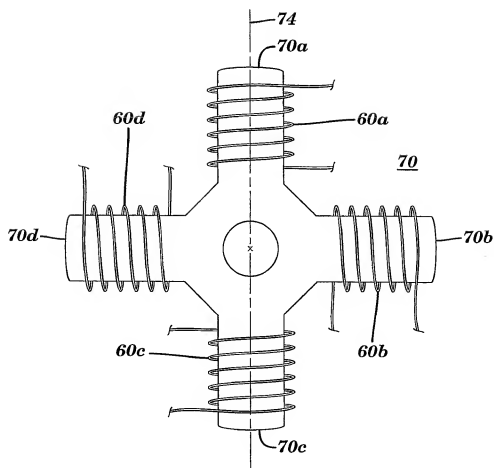


FIG. 7C

**FIG. 8**

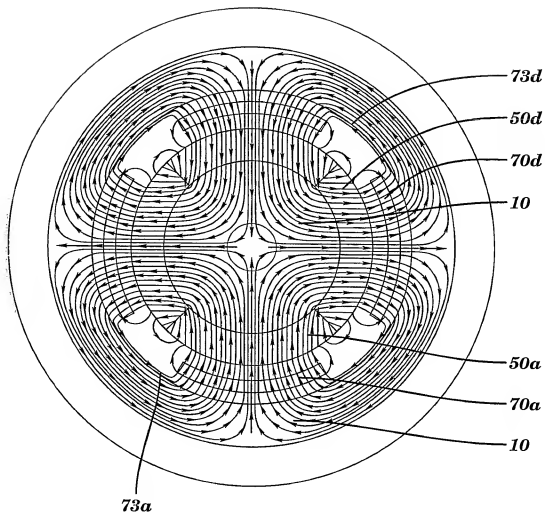
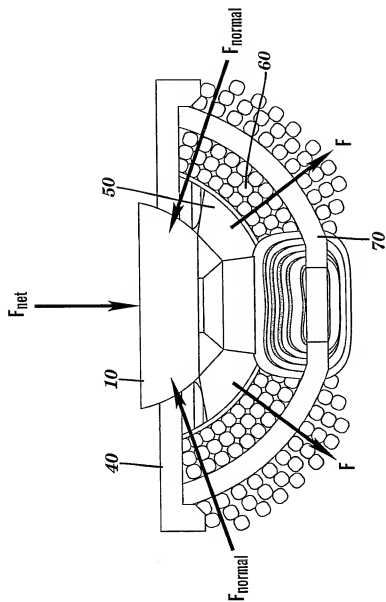
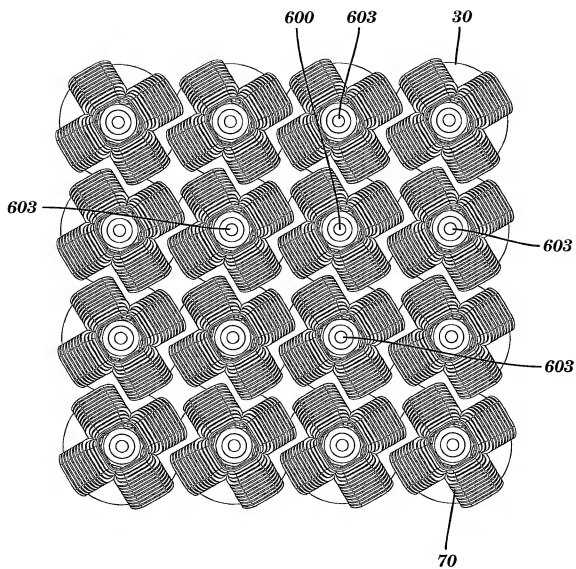
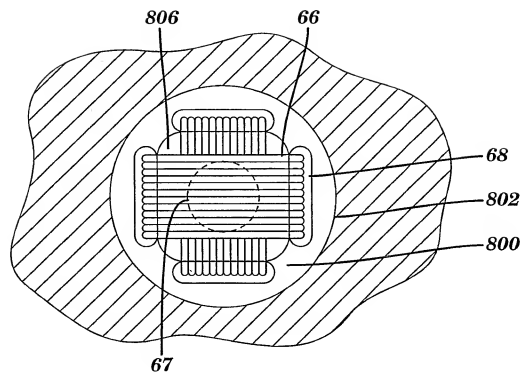
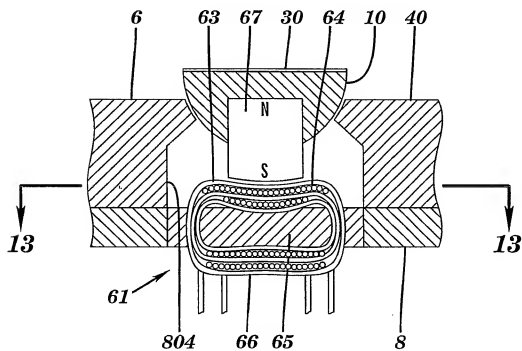
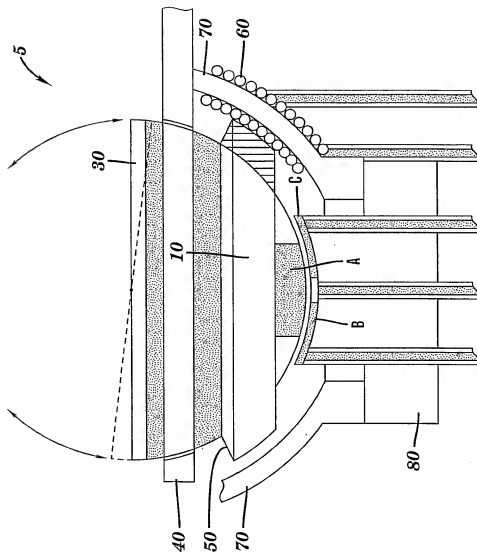


FIG. 9

**FIG. 10**

**FIG. 11**

**FIG. 13****FIG. 12**

**FIG. 14**

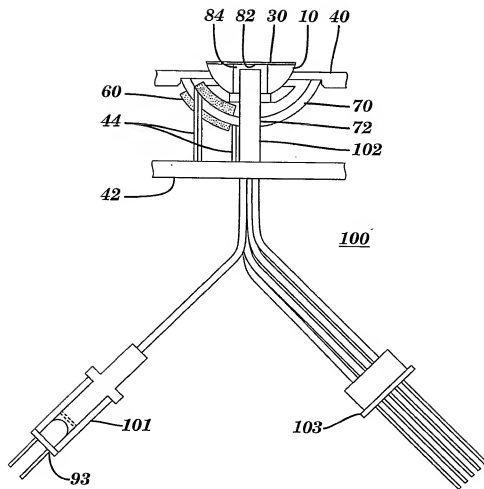
**FIG. 15**



FIG. 16C

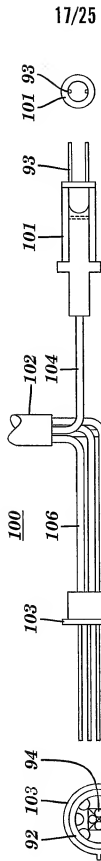


FIG. 16A



FIG. 16B

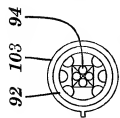
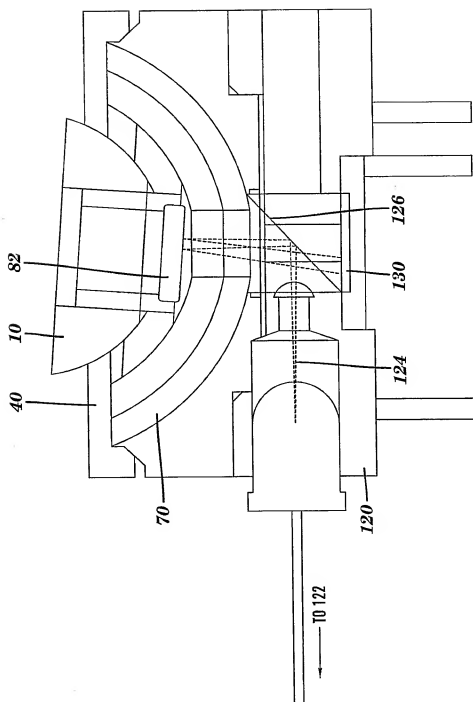
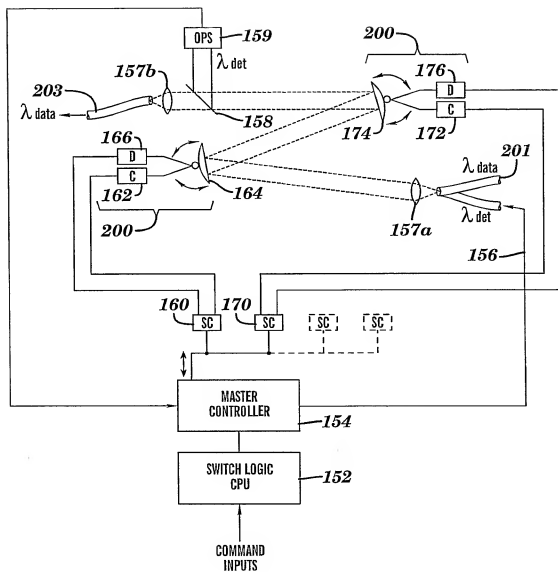


FIG. 16D

**FIG. 17**

**FIG. 18**

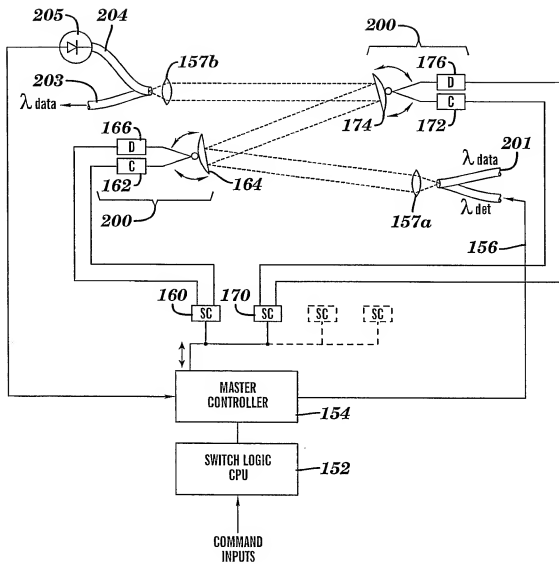
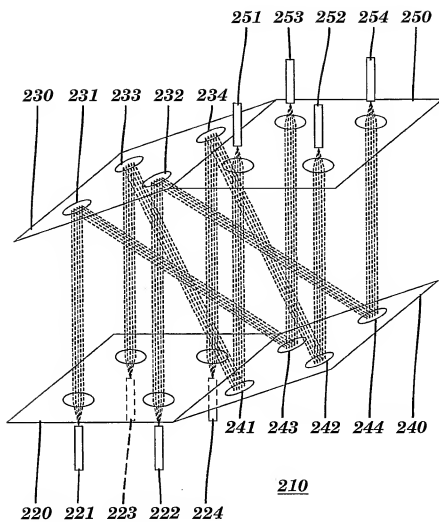
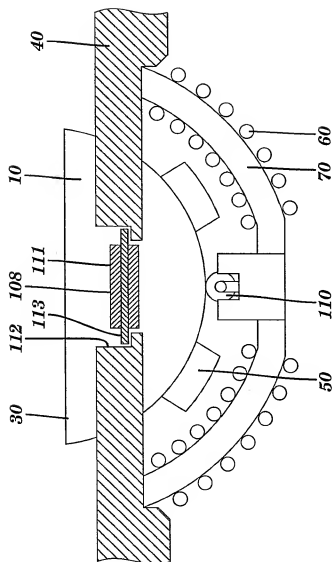
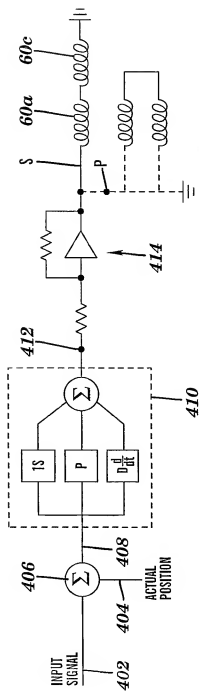
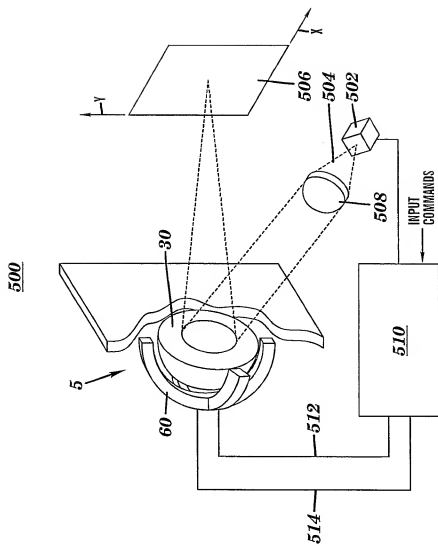


FIG. 19

**FIG. 20**

**FIG. 21**

400**FIG. 22**

**FIG. 23**

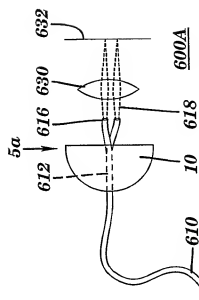


FIG. 24B

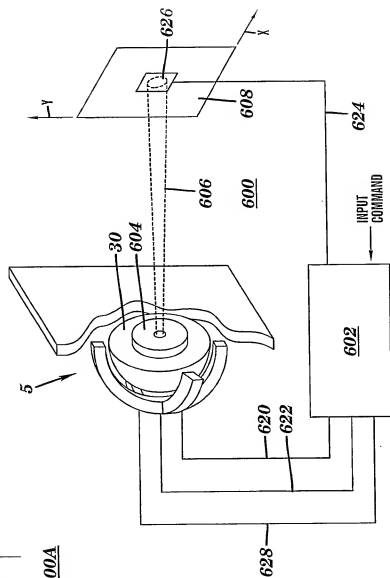


FIG. 24A